

Stanyl[®] TC154

PA46 FR(17)

Thermal conductive material, Flame Retardant, Heat Stabilized

Print Date: 2024-03-27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage [parallel]	0.6 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.7 / *	%	Sim. to ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	5100 / -	MPa	ISO 527-1/-2
Stress at break	55 / -	MPa	ISO 527-1/-2
Strain at break	2 / -	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	2 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	2 / -	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Coeff. of linear therm. expansion (parallel)	0.48 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.48 / *	E-4/°C	ISO 11359-1/-2
Thermal conductivity in plane	1	W/(m K)	ASTM E1461
Thermal conductivity through plane	0.5	W/(m K)	ASTM E1461
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
UL recognition	Yes / *	-	-
Burning Behav. at 3.0 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	3 / *	mm	IEC 60695-11-10
UL recognition	Yes / *	-	-
Relative Temperature Index – electrical	140	°C	UL746B
RTI electrical (Thickness (1) tested)	0.75	mm	UL746B

All the trademarks mentioned here are trademarks of Envalior.

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.

Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.

Property Data

Stanyl[®] TC154

Print Date: 2024-03-27

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>ELECTRICAL PROPERTIES</i>			
Volume resistivity	1E13 / –	Ohm*m	IEC 62631-3-1
Electric strength	30 / –	kV/mm	IEC 60243-1
Comparative tracking index	225 / –	V	IEC 60112
<i>OTHER PROPERTIES</i>			
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1520 / –	kg/m ³	ISO 1183

All the trademarks mentioned here are trademarks of Envalior.

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.

Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.